

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|--------|---|--|------------------|---------|------------------|
| L6 | 350638 | connected near4 pair | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/01/09 14:37 |
| L7 | 13 | (US-20020054191-\$ or US-20040100533-\$).did. or (US-6234598-\$ or US-6692108-\$ or US-6974210-\$ or US-4965594-\$ or US-6441838-\$ or US-5719604-\$ or US-5706041-\$ or US-6450622-\$ or US-5841452-\$ or US-6543879-\$ or US-6755509-\$).did. | US-PGPUB; USPAT | OR | ON | 2008/01/09 14:37 |
| L8 | 1 | 6 and 7 | US-PGPUB; USPAT | OR | ON | 2008/01/09 14:38 |
| L9 | 8 | pair and 7 | US-PGPUB; USPAT | OR | ON | 2008/01/09 16:17 |
| L10 | 0 | ("4914562596900560194576775509").PN. | USPAT | OR | OFF | 2008/01/09 16:17 |
| L11 | 4 | ("4914562") or ("5969005") or ("6019457") or ("6775509").PN. | USPAT | OR | OFF | 2008/01/09 16:17 |
| S1 | 2 | "20040100533" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/22 11:39 |
| S2 | 1 | 2004-447824.NRAN. | DERWENT | OR | ON | 2006/03/22 11:16 |
| S3 | 2 | "6755509".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/22 11:39 |
| S4 | 5 | ("4965594" "5534898" "5706041" "5841452" "6543879").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/22 11:40 |
| S5 | 34 | ("4965594").URPN. | USPAT | OR | ON | 2006/03/22 11:45 |
| S6 | 20 | S5 and electrode | USPAT | OR | ON | 2006/03/22 11:47 |
| S7 | 10 | S5 and (electrode.clm.) | USPAT | OR | ON | 2006/03/22 11:48 |
| S8 | 4 | (US-20040100533-\$).did. or (US-6755509-\$ or US-4965594-\$ or US-6974210-\$).did. | US-PGPUB; USPAT | OR | ON | 2006/03/22 14:17 |
| S9 | 2 | (electrode near4 layer) and S8 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/22 14:20 |
| S10 | 12 | ("6543879" "4965594" "5534898" "5706041" "5841452" "4827294").pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/22 15:20 |
| S11 | 1 | ((electrode and heater) near4 layer) and S10 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/22 14:45 |
| S12 | 2 | (electrode near4 layer) and S10 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/22 14:20 |
| S13 | 12 | ("4251824" "4330787" "4345262" "4376945" "4450457" "4459600" "4536250" "4567493" "4577202" "4596994" "4613844" "4723129").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/22 14:35 |
| S14 | 41519 | "347"/\$.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/22 14:35 |

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| S15 | 2657 | silverbrook.in. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/22 14:35 |
| S16 | 1609 | S14 and S15 | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/22 14:35 |
| S17 | 30 | ((heater and electrode) near3 layer) and (cantilever and (nanojoule "nj") and (nozzle with density) and thickness and nanograms) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/22 14:38 |
| S18 | 30 | S16 and S17 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/22 14:37 |
| S19 | 43 | ((heater and electrode) near3 layer) and (cantilever near3 beam) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/22 14:39 |
| S20 | 29 | S14 and S19 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/22 14:39 |
| S21 | 4 | ("5719604" "5812163" "5988799" "6130689").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/22 14:43 |
| S22 | 1 | "6312112".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/22 14:43 |
| S23 | 0 | S10 and "titanium nitride" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/22 15:28 |
| S24 | 858 | S14 and "titanium nitride" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/22 14:45 |
| S25 | 76 | ((electrode and heater) near4 layer) and S24 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/22 14:46 |
| S26 | 13 | ("20030042046" "20030087484" "20030089597" "20040113988" "4335389" "4596994" "4663640" "4956653" "4965611" "5448273" "5682188" "6441838" "6450622").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/22 14:51 |
| S27 | 2 | "20040113986" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/22 15:15 |
| S28 | 0 | " and 10500 nanojoules" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/22 15:15 |

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|-----|--------|---|--|----|----|------------------|
| S29 | 65 | "500 nanojoules" and S14 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/22 15:16 |
| S30 | 0 | S29 not silverbrook.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/22 15:17 |
| S31 | 113 | (joule and ((actuation firing) near3 energy)) and S14 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/22 15:17 |
| S32 | 17 | S31 not silverbrook.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/22 15:17 |
| S33 | 3 | ("5030971" "5638101" "6234598").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/22 15:19 |
| S34 | 0 | S10 and joule | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/22 15:20 |
| S35 | 0 | S10 and \$4joule | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/22 15:20 |
| S36 | 0 | ("6543879" "4965594" "5534898" "5706041" "5841452" "4827294").pn. and joule | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/22 15:21 |
| S37 | 311310 | S10 and titanium nitride | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/22 15:28 |
| S38 | 3 | S10 and (titanium nitride) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/22 15:29 |
| S39 | 6 | ("5706041" "6543879" "4965594").pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/23 08:43 |
| S40 | 2 | "5841452".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/23 09:58 |

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| S41 | 2 | "4774530".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/24 11:11 |
| S42 | 2 | "6692108".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/24 12:33 |
| S43 | 2 | "6692108".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/24 14:23 |
| S44 | 0 | "support the ejectable liquid" and S43 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/24 14:23 |
| S45 | 0 | "support the ejectable" and S43 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/24 14:23 |
| S46 | 0 | "the ejectable liquid" and S43 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/24 14:23 |
| S47 | 4182833 | support the ejectable liquid and S43 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/24 14:24 |
| S48 | 2 | (support the ejectable liquid) and S43 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/24 14:24 |
| S49 | 12 | (US-20040100533-\$).did. or (US-6692108-\$ or US-6755509-\$ or US-4965594-\$ or US-6543879-\$ or US-5841452-\$ or US-5706041-\$ or US-6974210-\$ or US-5719604-\$ or US-6450622-\$ or US-6441838-\$ or US-6234598-\$).did. | US-PGPUB; USPAT | OR | ON | 2007/08/09 13:17 |
| S50 | 11 | S49 and thickness | US-PGPUB; USPAT | OR | ON | 2007/08/09 14:35 |
| S51 | 967 | 347/56.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/09 15:23 |
| S52 | 6259 | (electrode same heater) same "same" same (material composition element) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/09 15:24 |
| S53 | 43 | S51 and S52 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/09 15:24 |